Class meets every Thursday from 9:30 a.m. to 10:45 a.m.

**Graded Work:**

**Online Homework and Quizzes (30% of overall grade):** Online homework and quizzes are in MyStatLab and are electronically graded. You may work them as many times as you like to keep improving your score until the deadline of Friday, April 28, 2017.

**In-Class Chapter Quizzes (30% of overall grade):**

They will be short, ten questions or so, designed to be completed within 20 - 30 minutes. They will contain some multiple choice and some open-ended questions. Calculations, graphing, definitions, and interpretations will be assessed. Quiz questions will be based on homework, notes and practice questions I post on Canvas for you to study, and related text information.

**Course Project (20% of overall grade):**

You will be working on a team of about 4 students to identify a topic and question of interest that can be answered with the tools in our course, a question that requires the collection and analysis of fresh data to answer. Your team will complete a series of assignments leading to the final product. Each assignment will come with very specific questions to answer to guide you along through them. I will be coaching project teams during our one day a week class meeting time. It will be essential that you have done the prior week’s lessons and come prepared to apply the tools and concepts of the course. I will not be lecturing. I will be supplying you with materials to read, problems to work on to practice skills and assess understanding of concepts, and calculator videos to support your work.

Team Working Agreement (10%)

Potential Topics Assignment (10%)

Written Proposal (with oral presentation) (30%)

Final Written Report (with oral presentation) (50%)

**Final Exam (20% of overall grade):** The exam is cumulative and multiple choice.

**Course Grade:**

Online MyStatLab HW/QZ (30%)

In-class Chapter Quizzes (30%)

Final Exam (20%)

Project (20%)

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| **Students do this to Prepare for** | **Thursday** | **In Class** |
| Get TCC photo ID, read syllabus, get your questions answered by me by Tuesday before drop/add ends, register in MyStatLab, Do Day 1 Writing Assignment (see Canvas, first Module) | Jan 12 | Day 1 Writing Assignments due,  Introductions,  My Stat Lab tour,  Ch. 1 Practice Terminology |
| Work on Chapter 1 reading, videos, homework assignments, and the Ch. 1 Review/practice file in Modules in Canvas.  Complete and bring Team Working Agreement Questions 1 - 3 to class (see Canvas) | Jan 19 | Quiz Ch. 1,  Potential Topics Discussion,  Team Building Activities,  Project Team Assignments:  Share contact information/plan first team meeting |
| Work on Chapter 2 reading, videos, and homework assignments, meet with your project team to work on TWA,  Register in MyStatLab by Jan. 31 deadline. | Jan 26 | Ch. 2: Choices of graphs/data types, Describing your graphical results,  Teams discuss Team Working Agreement Assignment,  Potential Topics Q/A |
| Meet with your project team to work on TWA and  Discuss potential topics.  Prepare for Ch. 2 Quiz by practicing the pre/post tests in MyStatLab. Work on Chapter 3 reading, videos, and homework assignments | Feb 2 | Team Working Agreement Due,  Quiz Ch. 2,  Ch. 3: Choices of numerical statistics/data types,  Describing your numerical results, Making comparative statements about statistics,  Project coaching and team time |
| Continue and Complete Ch. 3 work, study Ch. 3 Topics/Practice file in Canvas module  Meet with your team and begin Potential Topics Assignment | Feb 9 | Ch. 3 Quiz, Ch. 4 Head Start, Project coaching for teams on Potential Topics (stress population and sample and variables) |
| Complete Potential Topics Assignment with your team,  Work on Chapter 4 assignments | Feb 16 | Potential Topics Assignment Due, Ch. 4 Q/A, |
| Continue/complete Ch. 4 work, Study Ch. 4 Topics/Practice file in Canvas module,  Get PTA back from me Feb. 21 at my office SM 292 and discuss my feedback with your team | Feb 23 | Quiz Ch. 4  Proposal Coaching for teams:  Stress proper terminology and \*Sampling Plans\* |
| Work on Ch. 5 assignments, see Topics/Practice for Ch. 5  Work on Written Proposal with your team (bring any rough drafts) | Mar 2 | Quiz Ch. 5, head start on Ch. 6  Coaching on rough drafts of Written Proposals |
| Complete Written Proposal with your team,  Prepare oral presentation with team,  Work on Ch. 6 assignments (this is very important material) | Mar 9 | Written Proposal Due, Oral Presentations  Project Coaching time for teams:  Set up appointments for Minitab coaching meetings |
| Have a great holiday | Mar 16 | Spring Break: no class |
| Complete Ch. 6 section 2 assignments, study posted files in Ch. 6 Module,  Get WP back from me at my office SM 292 and discuss my feedback with your team. Data collection begins as soon as a team gets my approval. | Mar 23 | Quiz Ch. 6,  Set up appointments for Minitab coaching meetings,  Clear up any problems I mentioned in grading your WP so you may begin collecting data.  Introduction to Margin of Error and Inference on Proportions |
| Work on Ch. 7 assignments,  Study Topics/practice Ch. 7  Data collection continues | Mar 30 | How to approach probability problems involving p-hat,  Making Inferential statements about proportions, Applet |
| Work on Ch. 8 assignments, Study Topics/Practice Ch. 8,  Data collection continues, analysis and writing FR begin | Apr 6 | How to interpret your hypothesis tests,  Quiz Ch. 7 and 8 (counts as 2Qz),  Project Coaching time |
| Work on Ch. 9 assignments, several files are posted to study, Analysis and writing FR continue | Apr 13 | Inference involving Means,  Approaching probabilities involving xbar, Applet |
| Complete FR with your team,  Review for Quizzes (Extra Quiz has 1 or 2 questions directly from each prior quiz Ch. 1-8) | Apr 20 | Final Report Due,  Quiz Ch. 9 and Extra Quiz |
| Complete MSL HW/Quizzes by April 28.  Get FR back from me at my office, discuss with team, prepare oral presentation with team | Apr 27 | Oral Presentations,  Review for exam |
| Study for Final Exam | Thurs. May 4: 10:00 a.m. - Noon | Final Exam |